

VIII.3.3-CLEAR-TS CLEAR TIME SERIES OPERATION

Identifier: CLEAR-TS

Operation Number: 4

Parameter Array: This Operation has no entries in the P array.

Carryover Array: This Operation has no carryover values and therefore no entries in the C array.

Operations Table Array: The FORTRAN identifier for the portion of the T array used by this Operation is TC. The contents of the TC array are:

<u>Position</u>	<u>Contents</u>
1	Operation number
2	Location of the next Operation in the T array
3	Location of the time series information in the TS array
4	Location of the time series data in the D array
5	Length of the time series in the D array

Subroutines Names and Functions: The subroutines associated with this Operation are:

<u>Subroutine</u>	<u>Function</u>
PIN4	Input card and stores values in the TC array
PRP4	Print information about the time series to be cleared
EX4	Execute the Operation
PUC4	Punch the input card needed for the Operation

SUBROUTINE PIN4 (TC,LEFT,IUSET,NXT,TS,MTS)

SUBROUTINE CLEAR (TSID,TYPE,IDT,LOCD,LOCTS,TC,LEFT,IUSET,NXT,TS,MTS)

Function: This is the input routine for the CLEAR-TS Operation.
This routine fills the TC array.

- PIN4 - inputs a card describing the time series that is to be cleared
- CLEAR - obtains information about the time series to be cleared from another Operation

Argument List:

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
TC	Output	I*4	5	Counters needed to execute the Operation
LEFT	Both	I*4	1	Space available for the TC array
IUSET	Output	I*4	1	Amount of space used by the TC array
NXT	Input	I*4	1	Next open position in the T array
TS	Input	R*4	MTS	Array containing information about each time series
MTS	Input	I*4	1	Dimension of the TS array
TSID	Input	R*4	2	Time series identifier
TYPE	Input	R*4	1	Time series data type code
IDT	Input	I*4	1	Time series data time interval
LOCD	Input	I*4	1	Location of the time series in the D array
LOCTS	Input	I*4	1	Location of the time series information in the TS array

SUBROUTINE PRP4 (TSC)

Function: This routine prints information about the time series that is to be cleared by the CLEAR-TS Operation.

Argument List:

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
TSC	Input	R*4	Variable	Information for the time series to be cleared

SUBROUTINE EX4 (DATA,NUM)

Function: This is the execution routine for the CLEAR-TS Operation.

Argument List:

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
DATA	Output	R*4	Variable	Time series that is set to zero
NUM	Input	I*4	1	Number of values in the time series

SUBROUTINE PUC4 (TSC)

Function: This is the card punch routine for the CLEAR-TS Operation. This routine punches the time series identifiers in the same format as the input card for the Operation.

Argument List:

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
TSC	Input	R*4	Variable	Information for the time series to be cleared